Scout Report sent out		
Noted in the NID File	<u> </u>	
Location map pinned		
 Approval or Disapproval Letter	•	
Date Completed, P. & A. or, operations suspended	2-9	-59
Pin changed on location map	2	
Affidavit and Record of A & P	***	
Water Shut-Off Test	s at it	
Gas-Oil Ratio Test	To publicate	
Well Log Filed		

Entered in NID File (1999)	
Entered On S R Sheet	Checked by Chief
ocation Map Pinned	Copy, NID to Field Office
Pard Indexed	Approval Letter
W R for State or Fee Land	Disapproval Latter
COMPLETION DATA: Date Well Completed 8-9: OW WW TA SW OS PA	State of Fee Land
On 100/2 7-58	LOGS TILED
Electric Louis (Nis.)	
Commencer Management But	Astronom.

THE SUPERIOR OIL COMPANY

DRILLING & PRODUCTION DEPT.

P. O. BOX 200

CASPER, WYOMING

August 8, 1958

Oil and Gas Genservation Commission State Capitol Building Salt Lake City, Utah

Attention: Mr. Cleon B. Feight

As discussed in our phone conversation of this date you will find attached two (2) copies of Notice of Intention to Drill from Iron Wash Unit #23-2 located in the NE SW of Section 2, T24S R13E, Emery County, Utah.

Superior is applying for a blanket bond to cover drilling in the State of Utah. We will forward the bond to your office as soon as received by us.

THE SUPERIOR OIL COMPANY

W. H. Fraser

WHF/cw





Budget Bureau No. 42–R358.4. Approval expires 12–31–60.

Land Office State of Utah

Lease No. 11L 6602

Unit Iron Wash

x

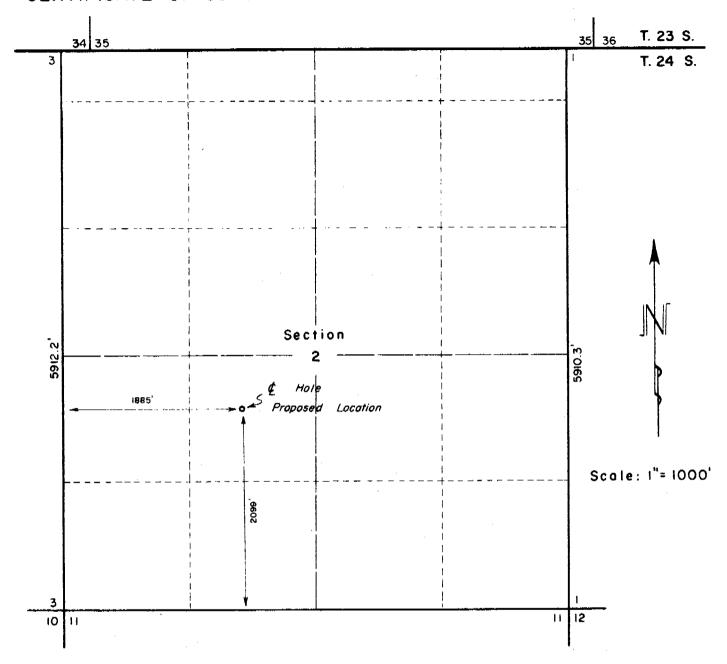
UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

(SUBMIT IN TRIPLICATE)

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TICE OF INTENTION T	O CHANGE PLANS		SUBSEQUEN	T REPORT OF S	HOOTING OR	ACIDIZING	
TICE OF INTENTION T	O TEST WATER SHUT-OI	·F	SUBSEQUEN	T REPORT OF A	LTERING CASI	NG	
TICE OF INTENTION T	O RE-DRILL OR REPAIR	WELL	SUBSEQUEN	T REPORT OF R	E-DRILLING O	R REPAIR	
FICE OF INTENTION T	O SHOOT OR ACIDIZE		SUBSEQUEN	T REPORT OF A	BANDONMENT.		
TICE OF INTENTION T	O PULL OR ALTER CASI	NG	SUPPLEMEN	TARY WELL HIS	TORY		
TICE OF INTENTION T	O ABANDON WELL						
186.86	(INDICATE ABOVE B	Y CHECK MARK	NATURE OF REPO	RT, NOTICE, OR	OTHER DATA)		
				Au	gust 8		, 19.
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(Field)		(County or	r Subdivision)		(State o	r Territory)	
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Title District Engineer

CERTIFICATE OF SURVEY



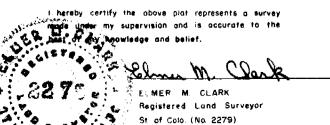
WELL: The Superior Oil Co. — 23-2 Location, Iron Wash Area

Located 2099 feet North of the South line and 1885 feet East of the West line of Section 2.

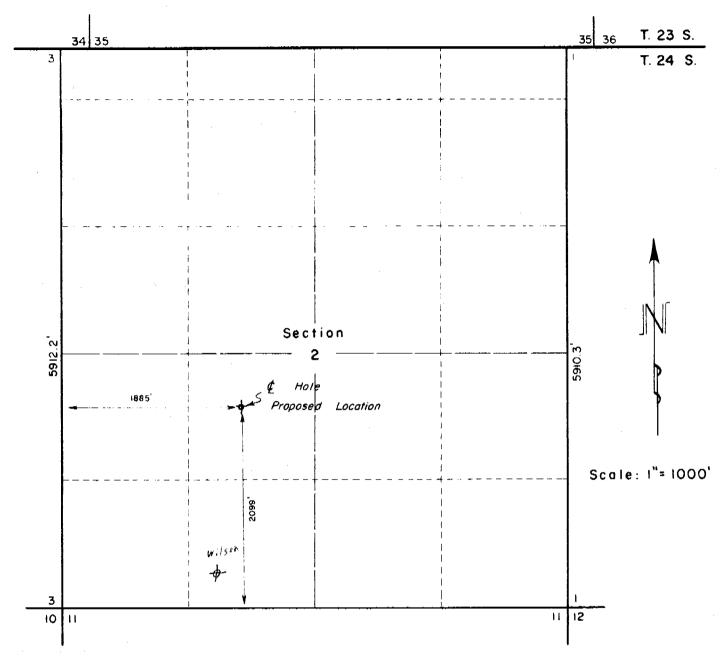
Township 24 South Range 13 East Salt Lake Meridian

Emery County, Utah

Existing ground elevation determined at 4529 feet based on U.S.G.S. datum.







WELL: The Superior Oil Co. — 23-2 Location, Iron Wash Area

Located 2099 feet North of the South line and 1885 feet East of the West line of Section 2.

Township 24 South Range 13 East Salt Lake Meridian

Emery County, Utah

Existing ground elevation determined at 4529 feet based on U.S.G.S. datum.

hereby certify the above plat represents a survey and under my supervision and a accurate to the set of my knowledge and belief.

E MER M. CLARK
Revistered Land Surveyor

St. of Colo. (No. 2279)

PLANET ENGINEERS, INC. Durango, Colorado

July 28, 1958

SUPERVISOR, OIL AND GAS OPERATIONS:

the second

DESIGNATION OF SUB-OPERATOR AND AGENT

STANDARD OIL COMPANY OF CALIFORNIA, hereinafter referred to as "Standard," designated as Unit Operator of the Iron Wash Unit, Emery County, Utah, in Section 4 of the Iron Wash Unit Agreement (serial number 14-08-CO1-4681) approved February 24, 1958, by Arthur S. Baker, Acting Director, U. S. Geological Survey, hereby designates The Superior Oil Company, 550 South Flower Street, Los Angeles, California, hereinafter referred to as "Superior," as Sub-Operator and Agent for the following described portion of the Iron Wash Unit Area:

Township 23 South, Range 13 East, S.L.M.

Section 26: All Section 28: E2 Section 33: All Section 34: All Section 35: All Section 36: W2

Township 24 South, Range 13 East, S.L.M.

Section 1: Section 2: A11 All Section 3: Section 4: All A11, Section 5: Es (Unsurveyed) Section 9: NE Section 10: All Section 11: All Section 12: A11 Section 13: Section 14: , SWl Section 15:

with full authority to act in Standard's behalf in complying with the terms of said unit agreement and regulations applicable thereto insofar as such terms and regulations relate to the above-described portion of the Iron Wash Unit and on whom the Supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to operations in the above-described portion of the Iron Wash Unit Area.

It is understood that this designation does not relieve Standard of responsibility for compliance with the terms of the Iron Wash Unit Agreement and the Oil and Gas Operating Regulations. It is also understood that this designation of Sub-Operator does not constitute an assignment of any interest in the unit.

In case of default on the part of Superior, Standard will make full and prompt compliance with all regulations, unit terms or orders of the Secretary of the Interior or his representative.

This designation shall remain in force as long as the Iron Wash Unit

Agreement is in effect for the lands described above or a portion thereof provided that with the approval of the Director of the U. S. Geological Survey, Standard and Superior can mutually terminate this designation at an earlier date.

STANDARD OIL COMPANY OF CALIFORNIA

By STANDARD OIL COMPANY OF CALIFORNIA, WESTERN OPERATIONS, INC.

Its Atterner in Fact

By Output Agent

Assistant Secretary

August 4, 1958

Date

	*			
STATE OF CALIFORNIA	•		,	
STATE OF CALIFORNIA County of	\$ 88.			
On this	day of	FB*-in	, A. D. 19, b	efore me
the residing therein duly a	County of	93 % All alls	, a Notary Public in	ಾಖಾರಿಗೆಂ
residing therein, duly com	missioned and swo	rn, personally appo	, State of Ca Pared	Lirornis
known to me to be the of the corporation describ	Ad in and done			
of the corporation describ to be the person who ex named, and acknowledged to	ecuted the within	ecuted the within :	instrument, and also know	own to m
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THE STANDOO MURICIAL T	. have hereunto se	t my hand and affin	ved my official mean is.	n the
written.	, t	he day and year in	this certificate first	above
		Notary Public	in and for the	
		County of	, State of Cal	Lifornia
My Commission Expires:				
		•		
STATE OF CALIFORNIACounty of) ss.			
On this	day of		, A. D. 19, befor	
			A W-A The 199	_
said County and State, pers	onally appeared_	و المراجعة ا		New Thirtmain V.
known to me to be the perso	n whose name	subscrib	ed to the edthin inches	
min agrand wranteer to the cities (Ωe execti	ited the game		
in withmess whereor, I and year in this certificat	have hereunto set	: mv hand and affice	ed my official seal the	day
and low in ours carolings.	æ ilrst above wri	tten.		
	N	otary Public in and	i for said County and S	tate
y Commission Expires:				
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TATE OF CALIFORNIA ity and County of San Fran) ##.			
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U. L. LAW!	I DIN L. M. HANDEN			
nown tome to be the Contrac ompany of California, Weste	ot Agent and Assis	stant Secretary, re	spectively, of Standard	l Oil
veccore one arcutt full full	ENT ON DEPART OF A	ibid Standand Oil d		
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nd the name of Standard Oil act for said Standard Oil C				
alifornia, Western Operatio	me, inc. executed	the same as such	Standard Oil Company of	وجمعه نا

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal, at my office in the City and County and State aforesaid the day and year in this certificate above written.

Notary Public in and for said City and County of San Francisco, State of California

My Commission Expires:

Displaced 30 sack plug to 1670'. Final pressure 10000.

Cheshed top of plug @ 1390'. Well continued to flow stream of water.

Displaced 50 each plug to 1600'. Final pressure 1000f.

Checked top of plug @ 1486'. Well still flowing he stream of water,

Displaced 25 each plug to 1320'. Final pressure 2000f.

Checked plug after 12 hours. He water flow.

Damped 3 sack plug down annulus between 10-3/4" & 6 7". Damped 10 sacks into top of 7".

Cut off both strings of casing 4' below ground level and exected dry belo marker.

The Superior Oil Company P. Q. Box 200 Casper, Wyoming

Attention: W. H. Presse, District Engineer

Contlemen:

This is to seknowledge rescipt of your notice of intention to drill Well No. Iron Wash Unit 23-2, which is to be located 2099 feet from the south line and 1885 feet from the west line of Section 2, Township 24 South, Range 13 Mast, SLME, Encry County, Utah.

This letter is to confirm our verbal approval of August 8.

Tours very truly.

OIL & GAS CONSERVATION COMMESSION

CLEON B. FRIDE

cer State Land Board Room 105, State Capital Salt Lake City, Utah

> Dem Russell, Dist. Eng. UNGS, Federal Dailding Salt Lake City, Utah

The Superior Oil Company #23-2 Iron Wash Unit Sec. 2-T245-R13E Emery County, Utah 2099' FSL - 1885' FML Wildest

Spud	8/19/58
Abd	11/19/58
TD	5326
PB	1902
Elev	4521 gnd
	(1531 DE
IP	Temp abd

Casing record:

Set	10 3/4	W @	10161	_w/_	600	SX
Set	7"		1925	_₩/_	200	_sx

Electric log tops:

ara -1 -		1263
Chinle		1530
Shinarump		1562
Moenkopi		2038
Sinbad limestone		2200
Coconino		
Cutler		2830
Permian Carbonate		2960
		3200
Hermosa		3450-60
Fault or Unconformity	26	95-3775
Fault or Unconformity	٥, ا	3745
Weathered Mississipplan		
Unweathered Mississippian		3775
E 1 bert		49 1 0 5170
Lynch		2110

8-19-58: Prilling 126'.

8-20-58: Drilling 475' - sandy shale.

8-21-58: Reaming at 180'. PTD 551.

8-22-58: Reaming at 176'.

8-25-58: Prilling 945' - sand.

8-26-58: PTD 1025'. Reaming at 865'. Prep to set surf pipe.

8-27-58: Prep to drill out. 8-28-58: SDR

8-29-58: Drilling 1278'.

8-30-58: Drilling 1352'.

9- 1-58: Sample descriptions:

1511-27 - ss, medium-coarse, tite 1527-17 - ss, medium to coarse grained, conglomeratic, some porosity, fairly well stained, some black asphaltic dead stain, brown live stain

with cut and some fluorescence, brown low gravity oil.

9- 2-58: DST #1: (SP) 1527-47, op 1 hr, fair How air decreased to dead in

30 minutes. Recovered 110 middy water; ISTP 750# in 30 minutes, FP 70-90#, FSTP 800# in 1 hr, WM 950-1050#. Prilling 1611.

9- 3-58: Prilling 1810' - silt, light gray. 1808 - some thin spotty streaks of stain, 15 units on ras analyser, very slight cut, some very slight fluorescence, brown low gravity oil in mud.

DST #6: (SP) 2240-85, open 2 hours, good blow of air getting weak 9-10-58: at end of 2 hour test. Recovered 2050' fluid (00' mud, 1960' sulphur water); TSIP 932# in 30 minutes, FP 120-922#, FSTP 940# in 30 minutes, нн 1161-1142#.

Drilling 2431' - sand, no show.

Prilling 2517! - sandstone, no show. 9-11-58:

9-12-58: 9-15-58: Prilling 2591' - sand, no show.

Prilling 2677' (60 off) - sand, medium grained, white, white-gray, tite, well cemented, slight trace white limestone.

9-14-58: Drilling 2764 - sandstone with some red and green shale and cypsum.

0-17-58: Drilling 2823' - sand, very fine grained, slightly dolomitic, well cemented, tite, trace green shale and sypsum. (7 3/40 off).

0-18-58: Prilling 2850 2830-40 - sand, green to green-gray, very fine grained, hard and tite, lots of pyrite.

2840-50 - dolomite, tan, buff, very finely crystalline, hard and tite. 9-70-50 Drilling 2021 - sandstone, very fine-medium grained, white to green-gray, hard, dense, tite, pyritic, trace dolomite, no show. (6 3/40 deviation).

9-22-58: Drilling 3083' - dolomite, buff-tan, dense, crypto-crystalline, no show,

chert, white-orange, translucent. (5 3/ho deviation).

Drilling 3140' - dolomite, cherty, pink conglomerate (5 30 deviation).

Prilling 3187' - interbedded anhydrite and dolomite, dark gray-brown, 9-23-58: ?=24-58:

finely succrosic, pinpoint porosity, no show, no fluorescence. $(4\frac{1}{2}$ ° dev.)

9-25-58: Drilling 3262' - medium, dark gray dolomite with dark gray shale. (h deviation).

0-26-58: Drilling 3387' - dolomite, buff-tan, finely succrosic with much gray dolomite, interbedded anhydrite.

7-29-58: Prilling 3671 - dolomite, mottled, white-red, finely crystalline, finely silty. (3 $\frac{10}{4}$ deviation at 3359).

9-30-58: PTD 3753', making trip.

Dolomite, light tan, trace mottled red-gray, finely crystalline, trace black shale, trace red silt. (2 3/40 deviation at 3712').

10-1-58: Drilling 3858' - dolomite, white, finely crystalline, very slightly silty in part, trace small vugey porosity, trace fossil fragments. (30 deviation at 3834').

10-2-58: Prilling 3951' - dolomite, very pale pink, very light tan, very finely crystalline, dense, slightly silty, trace white siltstone, firm, slightly calcarious. (3° deviation).

10-3-58: Prilling 4093' - dolomite, white to pink, also mottled white and pink, silty, trace interbedded anhydrite.

10-5-58: Core #3: 4310-40, recovered 27.91. Core barrel jammed. Dolomite, white-pink, crystalline, partly dense, some anhydrite, fair to very good porosity (small vugs to pinpoint), no shows, appears wet.

		Core Analysis		
4310-11 12-13 14-15 16-17 18-10 20-21 22-23 24-25 26-27 28-20 30-31 32-33	Perm 0.10 0.19 2.00 0.16 0.19 0.65 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Por 13.2 10.8 17.4 16.5 8.6 16.1 13.4 15.9 10.8 8.5 12.7 10.6	011 3.8 1.9 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Wtr. 59 0 47 30 60 60 60 97 55 76 76 76 76 76 76 76 76 76 76 76 76 76
32-33 34-35 36-37	0.06 0.34 0.02	10.6 9.5 9.4	1.9 2.1 0.0	67.9 82.1 6.28

9- 4-58: Core #1: 1840-1865, recovered 23' and jammed:

2' siltstone, gray-green, dense, no show.

1' limestone, brown, finely crystalline, silty, dense, no porosity, spotted stain, trace of bleeding oil.

1' dolomite, gray, silty, dense, no show.

1' dolomite, shaly, spotted stain, dense, no porosity.

7' shale, cray-green, silty, hard, no show.

61 shale, gray-green, hard, vertically fractured, free oil on frac faces, bleeding oil at fracs.

3' dolomite, brown, sandy, finely crystalline, well stained, brown-black, bleeding oil, asphaltic odor, vertically fractured, free oil on frac faces, poor porosity except fracs.

21 dolomite, as above with shale streaks, streaks of stain, hadly fractured.

DST #2: 1807-65, open 2 hours, fair blow of air immediately, decreased to weak in 2 hours. Recovered 363' fluid - 175' black-brown oil, 188' HOCM; ISIP 600# in 30 minutes, PP 100-150#, FSIP 275# in 1 hour, HH 950-900#. Estimated gravity 200.

9- 4-58: Core #2: 1865-85, recovered 20'. Core barrel jammed.

2' shale, light gray-green, some spotted stain in one tite fracture, slightly dolomitic.

5' shale, gray-green, good vertical fractures, vugry, bleeding oil and free oil on fracture faces.

3' dolomite, gray-brown, spotted stain, finely crystalline, dense, no visible porosity

10'shale, green, trace stain on few tite fractures. Drilling to 1942'.

PST #3: 1875-1942, open 1 hour, weak blow of air for 3 minutes, died, bypassed tool, after 30 minutes, fair blow of air immediately to dead in 13 minutes. Recovered 110 mud; ISIP 75# in 1 hour, FP 75-100#, FSIP 100# in 30 minutes, HH 1050-1050#.

			Core Analysis			
	MD	\mathbf{v}_{F}	Por.	Wtr.	Oil	$\mathbf{v}_{\mathbf{F}}$
1843	0.02		5.1	62.8	25.5	11
1858	0.01		8 . 5	18.8	67.0	π
			8.2	24.4	62.2	#
1859	0.03			21.5	64.5	Ħ
1860	0.0h		2 •3	30.9	52.7	11
1861	0.09		5.5		61.1	77
1862	0.08		13 .1	24.4	01.1	

270 gravity APT, retarded.
19h1-82 (getting silty) - silt and sandstone.

DST #4: 1942-82, open $1\frac{1}{2}$ hours, strong blow of air immediately decreasing to dead in 70 minutes. Recovered 1822' fluid (280' mud, 1542' brackish water); ISIP 900# in 1 hour, FP 800-900#, FSIP 900# in 1 hour, UH 1050-1000#.

9-7-58: 2008-40, less staining, slight break 2030-40, limestone, oolitic, vuggy, fair-good stain.

DST #5: 2041-65, open 2 hours, fair blow of air immediately, decreasing slightly at end of test. Recovered 95' mud, 1220' salt water; ISIP 800# in 30 minutes, FP 75-500#, FSIP 800# in 1 hour, HH 1050-950#.PTD 2095, prep to Ø ahd

9- 8-58: Prilling 2260' - wet, specks dead asphaltic stain.

9- 9-58: Prilling 2359 - sandstone, no show.

10- 6-58: Making trip 4402 - dolomite, white-pink-tan, crystalline. (Sample very fine from reaming and contaminated from cleaning mud tanks). (3° deviation). Drilling 4474' - dolomite, white, crystalline, with some milky chert, 10- 7-58: no show. 10- 8-58: PTD 4472', running loss. Drilling 4501' - dolomite, cream, finely crystalline, trace porosity, 10- 9-58: chert, milky to cream. Drilling 4619* - dolomite, white, succrosic to silty, some porosity, 10-10-58: some dolomite, tan, slightly succrosic to dense, trace white chalky residue. Drilling 4919' - dolomite, pink-tan, dense, to fragmental, trace red 10-13-58: and green shale. Drilling 4962' - dolomite, white to buff, finely crystalline, sandy 10-14-58: with shale, green, sub-waxy. 10-15-58: Drilling 5014'. Drilling 5065' - dolomite, white, mottled red, very sandy, very shaly. 10-16-58: Section has hardened considerably - using 2 bits a day. Have had about 160' of Elbert. Drilling 5127' - dolomite, tan, slightly sandy (much less sandy than 10-17-58: above), fine-medium crystalline. Drilling faster now than past two days. Have had little anhydrite. TD 5325', preparing to log. 19-20-58: Lynch 5160 - little pinpoint porosity near top - questionable vugular porosity near bottom. Prep to equalize plugs. 10-21-58: 50 sx at 5250. 50 sx at 3850. 150 ex plug back total depth at 2100. CO to 1925 and set pipe. Equalized plugs as above. 10-22-58: CO to 1925, circulating and conditioning mud. Underreamed 9" hole to 11" hole from 1775' to 1828', still reaming. 10-23-58: Underreamed from 1828-1925. Pulling reamer. 10-24-58: 10-27-58: 10-28-58: Installed tubing head and Kmas tree. Moving off rig. Moving in completion tools. 10-29-58: 10-30-58: Rigging up PBTD 1902. 10-31-58: Pf 1800-85 with 6 jets per foot. Ran bailer to 1902, bailed 1 BNO/1 hour. 11- 3-58: Let set 1 hour and bailed 10 gals NO. Let set 1 hour and recovered 10 gals NO. Ran swab twice, no recovery. Acidized perfs 1800-85 with 500 gallons MA. Swabbed 34 BLO & AW in $8\frac{1}{2}$ hours. Swabbed 0.83 bbls in 2 hours. Swabbed 1.24 bbls in 3 hours, 18.20 gravity, cut 0.2% BS&W. Sandfrac with 7500 gallons Big Flat crude and 10,000# sand. Flowed 90.18 BLO in 11 hours.

Swabbed 103.54 BO in 15 hours, 17.70 gravity, cut 0.2% BS&W.

Recovered 294 BLO with 18 bbls to go.

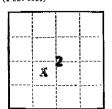
Flowed 8.34 bbls in 4 hours. Swabbed 86.8 BLO in 12 hours.

Swabbed 18 BO in 7 hours, 17.5° gravity, cut 0.8% BS&W. Swabbed total 316 bbls - 2 bbls over LO. 11- 4-58: Ran rods and tubing. Released rig. Putting on pump. Putting on pump and connecting tanks. Pumped $82\frac{1}{2}$ BF in 19 hours, 80 bbls sulphur water, $2\frac{1}{2}$ BO. Pumped 8 BW in $2\frac{1}{2}$ hours. Pump off. 11- 5-58: 11-8 -58: 11- 9-58: Pumped 49 bbls sulphur water in 12 hours, no oil. Shut down. 11-10-58: Pumped 38.77 BW in 9 hours. 11-11-58: Pumped 41.62 BW in 81 hours. Pumped off and shut down. 11-12-58: 11-13-58: 11-14-58: Pumped 13.81 BW in 2 3/4 hours. Pumped off and shut down. Pumped 12.18 BW in 2 3/4 hours. Pumped off and shut down. Pumped 12.60 FW in 2 hours 40 minutes. 11-15-58: 11-16-58: Pumped 12.14 BW in 2 hours 33 minutes. Pumped 11.69 BW in 2 hours 20 minutes. 11-17-58: Pumped 11.27 BW in 1 hour and 35 minutes. 11-18-58: Shut down. 11-19-58: Operations suspended. Tubing pulled, surface equipment removed.

Casing capped.

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GPO 9 18 50 7



(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office	State of Utah
Lease No.	NL 6602
Unit	Iron Vash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUE	SEQUENT REPORT OF W	VATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUB	SEQUENT REPORT OF S	HOOTING OR ACIDIZING.	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUE	SEQUENT REPORT OF A	LTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUB	SEQUENT REPORT OF R	E-DRILLING OR REPAIR.	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUE	SEQUENT REPORT OF A	BANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUF	PLEMENTARY WELL HIS	TORY	
NOTICE OF INTENTION TO ABANDON WELL	<u>X</u>			
(INDICATE ABOVE BY CHE	ECK MARK NATURE (other data)	10 58
Iron Wash Unit Vell No. 23-2 is located 2099 f	ft. from {S} l	line and 1885 f	(11)	1
(½ Sec. and Sec. No.) (Twp.)	(Range)	(Meridia		off 13,
V 11deat (Field)	(County or Subdivis	-	(State or Territory	AU W
tate names of and expected depths to objective sands ing points. Topose to plug well in the follocal Depth: 5326.				
lug fl - Equalise 50 sacks com	mant with b	ottom of open	end DP at 525	** *
lug #2 - Equaliza 50 ancks com	ent with b	ottom of open	end DP at 385	o'.
lug 03 - Equalize 150 sacks ce	ment with	bottom of open	n end DF at 21	.00*,
Hill clean out plug to 1925' as macks cament. Will attempt to				
ferbal approval by D. F. Russel I understand that this plan of work must receive ap	-		before operations may	be commenced.
ompany The Superior (111 Company			
P. O. Box 200				
ddress	-			
ddressCaspar, Wyomin	18	Ву	WHITE	u





Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

Land Office State of Utah

Lease No.	ML, C	602

Unit Iron Wash



UNITED STATES **DEPARTMENT OF THE INTERIOR**

(SUBMIT IN TRIPLICATE)

GEOLOGICAL SURVEY

CONFIDENTIAL

NOTICE OF INTENTION TO DRILL		SUBSEQUE	NT REPORT OF WATER SHUT-OFF	
OTICE OF INTENTION TO CHANGE P	LANS	SUBSEQUE	NT REPORT OF SHOOTING OR ACIDIZ	ZING
OTICE OF INTENTION TO TEST WAT	ER SHUT-OFF	SUBSEQUE	NT REPORT OF ALTERING CASING	
OTICE OF INTENTION TO RE-DRILL	OR REPAIR WELL	SUBSEQUE	NT REPORT OF RE-DRILLING OR REF	PAIR
TICE OF INTENTION TO SHOOT OF	R ACIDIZE	SUBSEQUE	NT REPORT OF ABANDONMENT	
TICE OF INTENTION TO PULL OR	ALTER CASING	SUPPLEME	NTARY WELL HISTORY	<u>X</u>
OTICE OF INTENTION TO ABANDON	WELL			
(INDICA	TE ABOVE BY CHECK M.	ARK NATURE OF REPO	ORT, NOTICE, OR OTHER DATA)	
		***************************************	December 2	, 19. 5.8
		,	nd 1885 ft. from (W) lin	ne of sec. 2
E/4 SW/4 Section 2 (1/4 Sec. and Sec. No.)	443 (Two.)	1.5E (Range)	(Meridian)	
				•
(Field)	(Coun	ty or Subdivision)	Utah (State or Terr	itory)
	objective sands; show ing points, and a	sizes, weights, and leall other important p	engths of proposed casings; indicate roposed work)	mudding jobs, cement
d: August 18, 1958 al Depth: 5326' porarily Abandoned: #1 1527-47 Strad	Movember 17 dle Tast	, 1958		
d: August 18, 1958 al Depth: 5326' porarily Abandoned: #1 1527-47 Strad l open 1 hour, shut	Movember 17 dle Test in 1 hour.	, 1958 Recovered 1	engths of proposed casings; indicate roposed work)	
d: August 18, 1958 al Depth: 5326' porarily Abandoned: #1 1527-47 Stradiopen 1 hour, shut	Movember 17 dle Test in 1 hour.	, 1958 Recovered 1		
d: August 18, 1958 al Depth: 5326' porarily Abandoned: #1 1527-47 Strade l open 1 hour, shut P 70#-90#, FSIP 800; understand that this plan of work	Movember 17 dle Test in 1 hour. #, Hyd. 950#.	Recovered 1	10° 8.9# water cut m	ud.
d: August 18, 1958 al Depth: 5326' porarily Abandoned: #1 1527-47 Strade l open 1 hour, shut P 70#-90#, FSIP 800; understand that this plan of work hpany The Su	Movember 17 dle Test in 1 hour. #, Had. 950#. must receive approval	Recovered 1	10° 8.9# water cut m (cont'd)	aid.
d: August 18, 1958 al Depth: 5326' porarily Abandoned: #1 1527-47 Strade l open 1 hour, shut P 70#-90#, FSIP 800; sinderstand that this plan of work apany The Superiors P. O. J	Movember 17 dle Test in 1 hour. f, Hgd. 950f. must receive approval perior Oil Co	Recovered 1	10° 8.9# water cut m (cont'd) sological Survey before operations m	nay be commenced.
al Depth: 5326' appraising Abandoned: #1 1527-47 Strade lopen 1 hour, shut P 70#-90#, FSIP 800; understand that this plan of work mpany The Sug liress P. O. J	Movember 17 dle Test in 1 hour. #, Had. 950#. must receive approval	Recovered 1	10° 8.9# water cut m (cont'd)	TION CONTIDE





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Form 9-331 a (Feb. 1951) (SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office	Sta	te.	o£.	Utah
Loase No	域,	660)2	
Unit			-	

SUNDRY NOTICES AND REPORTS ON WELLS

*	Abandocment
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report of Temporary
NOTICE OF INTENTION TO PULL OR ALTER CASING	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF

	****		Abando	X America
	(INDICATI	E ABOVE BY CHECK MARK NATURE OF	REPORT, NOTICE, OR OTHER DATA)	
		4	Documber 2	, 19 58
tell No	Iron Wash Unit b. 23-2 is locate	d _ 2099 . ft. from _ {S} lin	he and 1885. ft. from $\left\{egin{align*}{c} \mathbb{E} \\ \mathbb{W} \end{array}\right\}$ lin	ne of sec 2
NE/4	SW/4 Section 2	245 13g (Twp.) (Range)	Salt Lake	
	Wildcat	(County or Subdivision	*** _1	à
	(Field) kelly b		(State or Terr	itory)
ie ele		s above sea level is 45	29 ft.	
		DETAILS OF	WORK	
		DEIAID OF	N OTETE	
ate nam	nes of and expected depths to o	bjective sands; show sizes, weights,	and lengths of proposed casings; indicate	mudding jobs, comen
ate nam	nes of and expected depths to o	bjective sands; show sizes, weights, ing points, and all other import	and lengths of proposed casings; indicate ant proposed work)	mudding jobs, cemen
		ing points, and all other (mport	ant proposed work)	mudding jobs, cemen
	s been temporaril	y abandoned in the 2	ollowing manner:	mudding jobs, cemen
	s been temporaril	ing points, and all other (mport	ollowing manner:	mudding jobs, cemen
	s been temporaril	y abandoned in the factor been removed fr	ollowing manner:	mudding jobs, cemen
1 ha 1. 2.	s been temporaril Rode and tubing Pumping unit rem	ing points, and all other import y abandoned in the fi have been removed fr oved.	ollowing manner:	mudding jobs, cemen
1.	s been temporaril Rode and tubing Pumping unit rem	y abandoned in the factor been removed fr	ollowing manner:	mudding jobs, cemen
ll ha l. 2.	Rode and tubing Pumping unit rem All surface prod	ing points, and all other import y abandoned in the fi have been removed fr oved.	ollowing manner: om the well. been removed.	mudding jobs, cemen
1. 1. 2. 3. 4.	Rode and tubing Pumping unit rem All surface prod	ing points, and all other import y abandoned in the fi have been removed fr oved. uction equipment has been walded over cas	ollowing manner: om the well. been removed.	mudding jobs, cement
11 hm 1. 2. 3.	Rode and tubing Pumping unit rem All surface prod	ing points, and all other import y abandoned in the fi have been removed fr oved. uction equipment has been walded over cas	ollowing manner: om the well. been removed.	mudding jobs, cement
1. 2. 3. 4.	Rode and tubing Pumping unit rem All surface prod Steel plate has mpleted: 11-19-5	ing points, and all other import y abandoned in the fi have been removed fr oved. oction equipment has been welded over cas 8.	ollowing manner: om the well. been removed. ing stub.	
11 ha 1. 2. 3. 4.	Rode and tubing Pumping unit rem All surface prod Steel plate has mpleted: 11-19-5	ing points, and all other import y abandoned in the fi have been removed fr oved. oction equipment has been welded over cas 8.	ollowing manner: om the well. been removed.	

Address PLEASE KEEP THIS IMPORMATION CONFIDENTIAL Casper, Wyoming By WH Freeze Title District Engineer

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								(Detrick floor relative to sea level) ork done thereon
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**************************************			I	MPORT	ANT WATER	SANDS		
						from		
No. 2, f	rom		to		No. 4,	from	to	
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sidetra commots.	24 OL 6	is the well, give being the property of the pr	All to te	and locationst for the second	n. If the yell has	been dynamited, g	ye date, size, p	edition, and number
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PLUGS AND ADAPTERS

Length Depth set

OLD | MAR

Heaving plug Material

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ine pro	duction for	ome ilist 24 j	lours was	52 -72-	ereis oi	nuid of which	**************************************
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			*				
						en e	en e
FROM-	3.0		TOTAL FEET	(OVER)		TAMBOT	16-43094-4

FORMATION RECORD—Continued

DST #2 1807-1865

Tool open 2 hours, shut in 1 hours. Recovered 175' heavy black oil and 188' heavy oil cut mud. BMPP 100#-250#, SIP 275#, Mad. 925#.

DST #3 1875-1942

Tool open 1 hour, shut in 30 minutes. Recovered 100' of drilling mud. BHFP 750-1000, SIP 1000, Myd. 10250.

DaT #4 1942-1982

Tool open 1% hours, shut in 1 hour. Recovered 280' mud and 1542' of black sulfur water. BHFP 800#-900#, STP 900#, Hyd. 1050#.

DST #5 2041-2065

Tool open 2 hours, shut in 1 hour. Recovered 95' mud and 1225' black sulfur water. BHFP 75%-500%, SIP 800%, Hyd. 1050%.

D5T #6

Tool open 2 hours, shut in 30 minutes. Recovered 90' mud and 1960' black sulfur water. BHFP 120#-922#, SIP 904#, Hyd. 1161#.

Equalized the following cement plugs:

the oil saturated zone.

- #1 50 sacks at 5250'.
- #2 50 sacks at 3850'.
- #3 150 sacks with 10% sand at 2100'.

Checked top of plug at 1729' after 12 hours. Cleaned out cement to 1925'. Underressed 9" hole to 11" from 1775' to 1925'. Cemented 7" 20# J-55 ST&C casing at 1925' with 200 sacks. Perforated 1800' to 1885' with 6 jets per foot. Washed perfs with 500 gailons mud acid. Swabbed 1.24 barrels new oil in 3 hours.

Sand fraced with 10,000% sand and 10,000 gallons Big Flat crude. Nam. press. 1500%. Swabbed load oil and 2 barrels new oil 17.5°, 0.6% Bass. Put well on pump.

11-9-58:	Pumped 56.75 bbls.	. water in 14½ hrs.	Pumped off.	56.75 bbls. wtr

11-6-58: Pumped 82.72 bbis. fluid in 19 hours. Pumped off. 2.49 bbis oil. 80.23 bbis wtr.

11-11-58: Pumped 39.77 bbls. weter in 3 hours. Pumped off. 39.77 bbls. wtr.

11-12-58: Pumped 55.43 bbls. water in 12 hours. Pumped off. 55.43 bbls. wtr.

11-13-58: Pumped 12.18 bbls water in 2-3/4 hrs. Pumped off. 12.18 bbls. wtr.

11-14-58: Pumped 12.60 bbls. water in 2-3/4 hts. Pumped off. 12.60 bbls. wtr.

11-15-58: Pumped 12.14 bbls. water in 2 hours. Pumped off. 12.14 bbls. wtr.

11-16-58: Pumped 11.69 bbls. water in 2/2 hours. Pumped off. 11.69 bbls. wtr.

11-17-58: Pumped 11.27 bbls. water in la hours. Pumped off. 11.27 bbls. wtr.

Total 2.48 bbls oil 298.06 bbls. wtr.

No oil produced. Water does not have rainbow of oil and production rate is continually declining. Removed rods, tubing and pumping unit. Tore out flow line and tanks. Welded steel plate over casing stub. Well temporarily abandoned pending further evaluation of

THE SUPERIOR OIL COMPANY

DRILLING & PRODUCTION DEPT.
P. O. BOX 200

CASPER, WYOMING

December 8, 1958

United States Geological Survey 457 Federal Building Salt Lake City, Utah

Attention: Mr. D. F. Russell

Attached are three copies each of the Supplementary Well History, Log of Oil or Gas Well, and Subsequent Report of Temporary Abandonment on Iron Wash Unit #23-2, Emery County, Utah. Also enclosed are two copies of all the logs run on this well.

THE SUPERIOR OIL COMPANY

W. H. Fraser DOK

DDK/cw

c: w/attachment

Oil and Gas Conservation Commission

310 Newhouse Building Salt Lake City 14, Utah

Form 9-881 a. (Feb. 1951)



(SUBMIT IN TRIPLICATE)





Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

Land Office	State	of Uta
Land Omce	10 C.44	

Lease No. Leon Wash

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UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF.
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING.
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.		SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALIER CASING		SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL.	X	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

			5 August	, 19. 5 9
Well No. is locate	ed 2099 ft. fr	$\operatorname{com}_{-}\left\{ egin{matrix} \mathbf{S} \\ \mathbf{S} \end{array} \right\}$ line a	nd 1885 ft. from $\left\{\begin{matrix} \mathbb{R}^{3} \\ \mathbb{W} \end{matrix}\right\}$ line of	sec2
ME SW Sec 2	24 8	13 E	S1.204	
(1/4 Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)	
Wildeat	2	mery	Utah	
(Field)	(Cou	nty or Subdivision)	(State or Territory)	

The elevation of the derrick floor above sea level is 4531 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Propose to pump 50 sack plug down 7" easing and displace same to 1675.

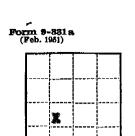
Propose to deep 10 eacks into top of 7" and also in annular space between 10-3/4" and 7" easing strings.

Will out off both strings 4' below ground level and weld plate over some with a standard dry hole marker erected over hole.



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The SUPERIOR OIL CO.		
Company The SUPERIOR CIL CO.		
Address	G. Bannaulue By G. Banantina	
	V. Jannaulul	
~^^^^^	By G. Banantice	
<u></u>	Title For Engr.	





(SUBMIT IN TRIPLICATE)



Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

Land	Office	•		
	N 7	Hi.	6602	
Lease	no			

Lease No	Mi.	6602	
Unit			

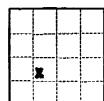
UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

SUND	RY NOTICES A	ND REPO	RTS ON WELLS			
NOTICE OF INTENTION TO DE	RILL	SUBSEQUENT RE	PORT OF WATER SHUT-OFF			
NOTICE OF INTENTION TO CH	IANGE PLANS	SUBSEQUENT RE	PORT OF SHOOTING OR ACIDIZING			
NOTICE OF INTENTION TO TE	ST WATER SHUT-OFF	SUBSEQUENT RE	SUBSEQUENT REPORT OF ALTERING CASING.			
NOTICE OF INTENTION TO RE	E-DRILL OR REPAIR WELL	SUBSEQUENT RE	PORT OF RE-DRILLING OR REPAIR			
NOTICE OF INTENTION TO SE	HOOT OR ACIDIZE	SUBSEQUENT RE	PORT OF ABANDONMENT	_		
NOTICE OF INTENTION TO PU	ILL OR ALTER CASING	SUPPLEMENTARY	WELL HISTORY			
NOTICE OF INTENTION TO A	ANDON WELL					
	(INDICATE ABOVE BY CHECK MARK		OTICE OF OTHER DATA)			
	(III.)	THE OWNER OF THE OWN, IN	10 August	44		
HE SW Sec. 2	24 S	192	1885 ft. from $\left\{ egin{array}{c} oldsymbol{\mathbb{E}} \ oldsymbol{\mathbb{E}} \end{array} ight\}$ line of so	ec		
(1/ Sec. and Sec. No.)		_	(Meridian)			
Wildot (Field)		r Subdivision)				
(State names of and expected d	epths to objective sands; show size	ther important propos	s of proposed casings; indicate mudding ed work)	, jobs, cemen		
Temporarily Abando	ق	wite in				
Permanently Abando	med: 9 August 195	59				
r.D.: 5326'	•	P.B.T.D.:	1902'.			
7" comented @ 1925	1016' with 600 sec i' with 200 sechs, when per foot from		5'.			
	of work must receive approval in vicer Cil Coupany		cal Survey before operations may be co	nmenced.		
	wer G					
Cortes, (bloredo	Ву	4. Samastue			
			Petroleum Eggineer			
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(SUBMIT IN TRIPLICATE)

Bud App	iget Bureau proval expir		
Lease No	14L 64	02 h	



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

SUNDRY	NOTICES	AND	KEPOK	TS ON	WELLS	
NOTICE OF INTENTION TO DRILL.		SUB	EQUENT REPO	RT OF WATER	SHUT-OFF	
NOTICE OF INTENTION TO CHANGE	PLANS	Subs	EQUENT REPO	RT OF SHOOTII	G OR ACIDIZING	
NOTICE OF INTENTION TO TEST W	ATER SHUT-OFF	SUBS	EQUENT REPO	RT OF ALTERIN	IG CASING	
NOTICE OF INTENTION TO RE-DRIL	L OR REPAIR WELL	suas	EQUENT REPO	RT OF RE-DRIL	LING OR REPAIR	
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NOTICE OF INTENTION TO PULL OF	R ALTER CASING	1 11				1
NOTICE OF INTENTION TO ABANDO	N WELL	i ii		· 		
(INDI	CATE ABOVE BY CHECK	MARK NATURE O	REPORT, NOT	ICE, OR OTHER	DATA)	
			u	10 Aug	wot	, 19. 5 9
Iron Wash Unit Well No. #23-2 is loc	ated 2099 ft.	from_ $-{N \brack S}$ li	ne and	185 ft. fro	m $\left\{ egin{array}{c} lackbox{\blacksquare} \ lackbox{W} \end{array} ight\}$ line of	sec2
ME SN Sec. 2	245	1.3E		SLBM	(· · ·)	
(1/2 Sec. and Sec. No.)	(Twp.)	(Range)	-	(Meridian)	·	
Wildcat	•	See Just	<u> </u>	, ,	urah	
(Field)	(Co	unty or Subdivisi	n) (7	(State or Territory)	
(State names of and expected depths	ing points, and		tant proposed	work)		•
Temperarily Abandoned	: 19 Novem	ber 1958	* *			
Permanently Abandoned	: 9 Angust	19 59). Ve	
T.D.: 5326'		P.B.	T.D.:	1902'.		
10-3/4" comented @ 10 7" comented @ 1925' w Perforations: 6 hole	7		to 1883			
I understand that this plan of we Company The Superior	rk must receive appro	val in writing by	the Geologica	l Survey before	operations may be	commenced.
Address F. O. Drawer	• •	<u> </u>				
Cortes, Cole	rado		Ву	- 3. 4	Sam suluie	en in man in 11 d'han de 11 de 12 de 1
**************************************			Title !	Petroleum	Bagineer	

Displaced 50 sack plug to 1670'. Final pressure 10000.

Checked top of plug @ 1390'. Well continued to flow stream of water.

Displaced 50 sack plug to 1600'. Final pressure 10009.

Checked top of plug @ 1486'. Well still flowing \" stream of water.

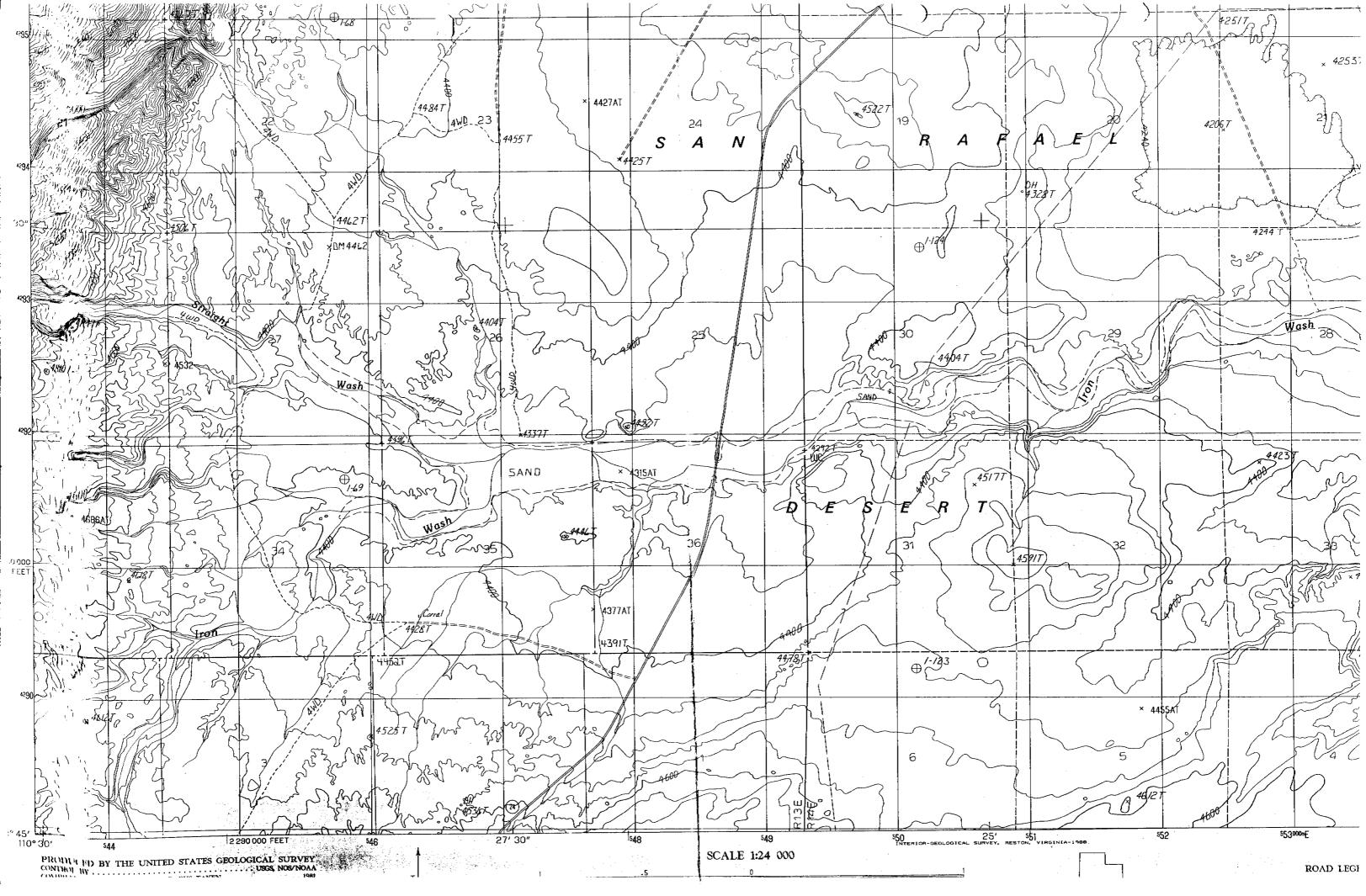
Displaced 25 sack plug to 1320'. Final pressure 2000f.

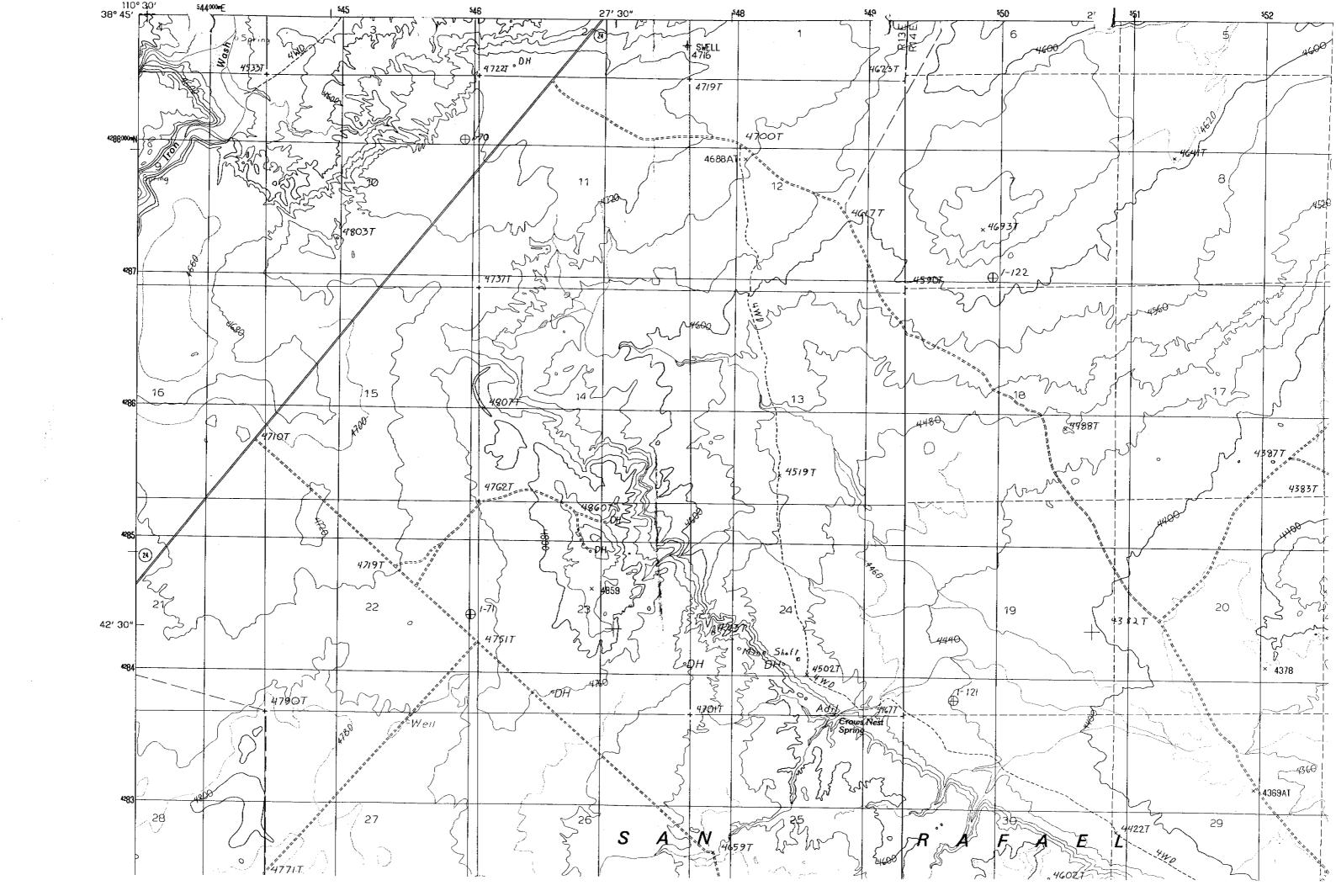
Checked plug after 12 hours. No water flow,

Dumped 5 sack plug down annulus between $10-3/4^{\circ}$ & 6.7%. Dumped 10 sacks into top of 7° .

Cut off both strings of casing A' below ground level and erected dry hole marker.







6/2" pin
Trash
stadline
Ponerpole Kolines

ML6602 Flev 4529

The Superior Oil Go.

Iron Wash Virt #23-2

NE/SW Sec 2 245 13E

Enery Co, U72h

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09/06/94 DETAIL WELL DATA menu: opt 00 api num: 4301511183 prod zone: MDSN sec twnshp range qr-qr entity: 99998: PA/LA/TA 2 24.0 S 13.0 E NESW

entity: 99998 : PA/LA/TA well name: IRON WASH UNIT 23-2

operator: N0920 : SUPERIOR OIL COMPANY meridian: S

field: 1 : WILDCAT

confidential flag: confidential expires: alt addr flag:

* * * application to drill, deepen, or plug back * * *

lease number: ML-6602 lease type: 3 well type: OW

surface loc: 2099 FSL 1885 FWL unit name:

prod zone loc: 2099 FSL 1885 FWL depth: 6000 proposed zone: MDSN

elevation: 4529' GR and date: 580811 auth code:

* * completion information * * date recd: 581209 la/pa date: spud date: 580818 compl date: 581124 total depth: 5326'

producing intervals: 1800-1885'

bottom hole: 2099 FSL 1885 FWL first prod: 581108 well status: PA

24hr oil: 2 24hr gas: 24hr water: 81 gas/oil ratio:

* * well comments: direction1: api gravity: 17.50

590809 PA'D:

opt: 21 api: 4301511183 zone: date(yymm): enty acct: